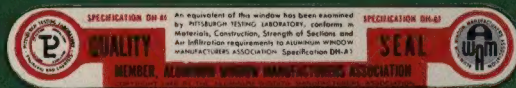


Cupples

ALUMINUM WINDOWS



OF
ALCOA*
ALUMINUM



CUPPLES PRODUCTS CORP.

2650 SOUTH HANLEY ROAD • MAPLEWOOD, ST. LOUIS 17, MO.

*"Registered Trade Mark of the Aluminum Company of America"

Cupples

A-200

Aluminum windows mean this to a home owner or landlord if properly installed —

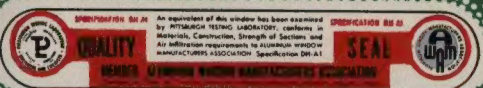
Elimination of painting and costly up keep.

Permanent ease of operation.

A tight draftless window resulting in substantial fuel savings.

Trim, neat architectural lines in keeping with the latest building techniques.

The Cupples A-200 double-hung and picture windows are manufactured in stock sizes with several glass (muntin) arrangements. Fabricated from Alcoa precision extrusions, they are designed specifically to insure correct installation, reduce erection costs, and assure a lifetime of perfect operation.



Above is a facsimile of the Seal of Approval carried by every Cupples window. This Seal guarantees that the window complies with all of the rigid specifications and standards established by the Aluminum Window Manufacturers Association. The A-200 not only meets all of these requirements but in most cases considerably exceeds them.



Why Specify the CUPPLES A-200?

BUILT-IN WOOD SUB-FRAMES

Always concealed, these rugged sub-frames are factory applied after the aluminum frame is securely joined. They act as an additional weather bar and mean installation headaches are over for the builder—erection time is cut—racking, distortion and “out of square” are eliminated, assuring an easy, permanently smooth operating window. The wood also protects the aluminum in shipment and during on-the-job handling.

Only dry, durable redwood, or the equivalent, is used for the subframe. It is thoroughly treated both with water repellent and termite resistant preservative and sealed with a special Alcoa aluminum paint.

STRENGTH OF SECTIONS

The over-all sizes of Cupples A-200 sash and frame sections are considerably larger than most residential aluminum windows. This means stronger, stiffer, more rugged frames and sash—eliminates sections pulling away from the glass with resulting leakage and loose putty.

CONTINUOUS JAMB WEATHERSTRIP

Stainless steel, (18-8) double contact weatherstrip, running continuously in the jambs, assures a tight, quiet and smooth operating unit. This feature is usually found only in costly commercial windows. Flexible, truly rolled, stainless steel strip is also employed at meeting rail, head and sill to guarantee a tight window.

SATIN FINISH

All Cupples A-200 units receive a uniform, distinctive satin finish seldom seen on residential windows.

INTEGRAL BRICK STOP

An integral brick stop at jamb assures rapid, easy erection for the masonry contractor and a tight, economical caulking job. This added feature on the Cupples A-200 is a truly “plus” feature, another step toward a sound, economical erection job.

NEAT, TRIM APPEARANCE

The narrow, clean-cut lines of Cupples A-200 are appropriate for any style of architecture. Their neutral shade blends harmoniously with any interior decorating scheme. Additional depth and body are furnished by the integral brick stop, eliminating the bare shadowless look so often found in other windows. No hardware, screws or protruding pull downs mar their over-all simplicity of line.

LARGE VARIETY OF SIZES

21 stock sizes of double hung, in 8 various glass (muntin) arrangements, give the architect or owner great freedom of design. These, coupled with 20 stock picture windows, 8 of which take stock sizes of Thermopane or Twindow, are another reason for the nationwide acceptance of Cupples' windows.

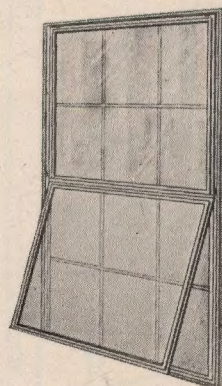
LOW IN COST—READILY AVAILABLE

Despite their many superior features and advantages, these windows are really low in cost. They are readily available at the leading building material dealers throughout the country.

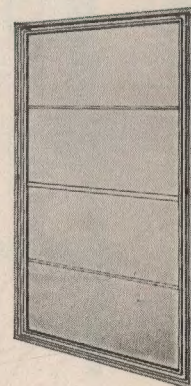
SCREENS AND STORM SASH

Screens are furnished in full length or halves. Fabricated from tubular aluminum sections to give greater strength and rigidity, they are wired with either aluminum or modern plastic cloth. To install, simply snap into place.

Storm Sash comes in two halves, glazed with double strength glass, ready to install. Three piece combination storm sash and screens are available for all sizes of Cupples A-200 double hung windows.

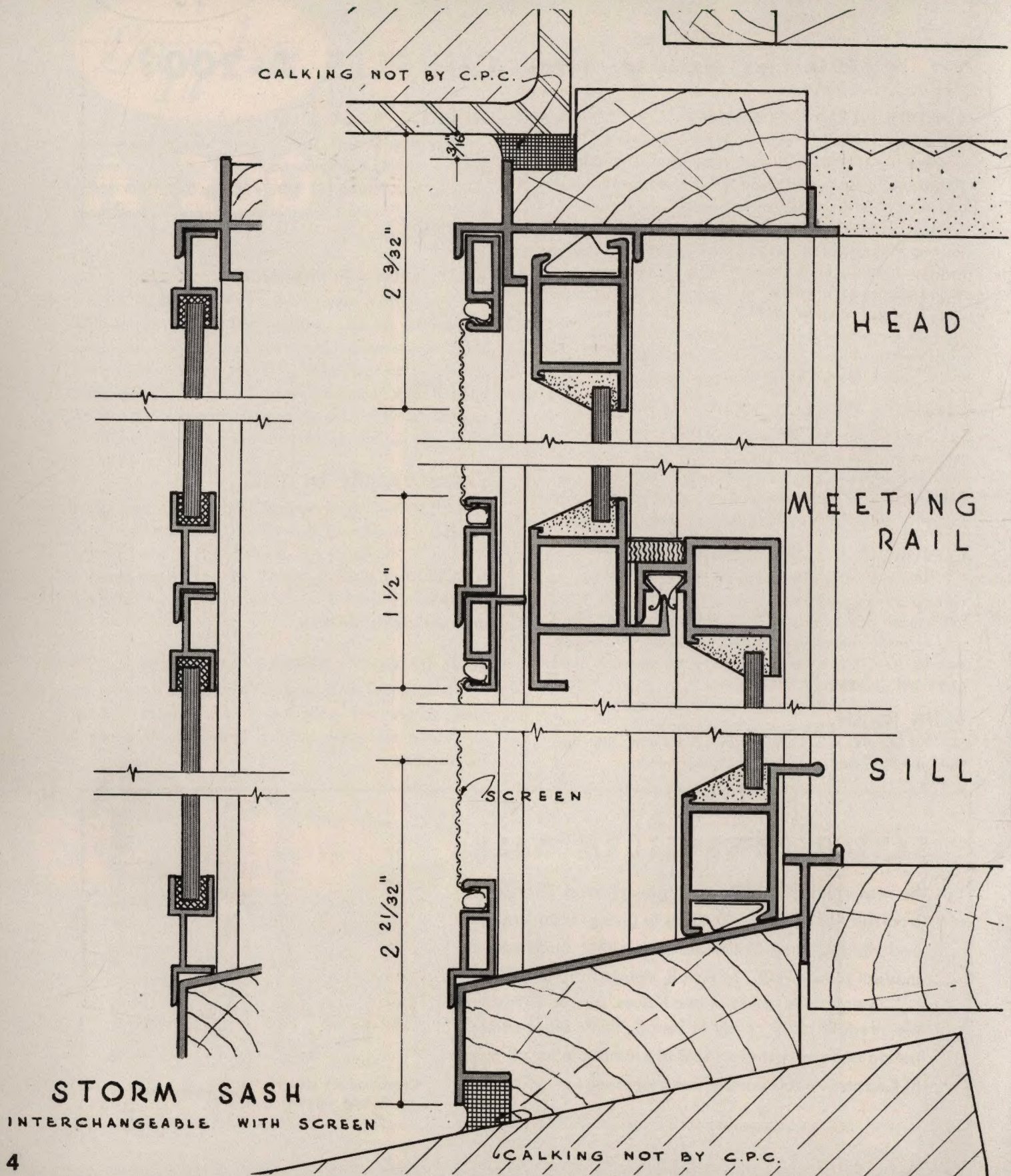


Combination storm sash and screen



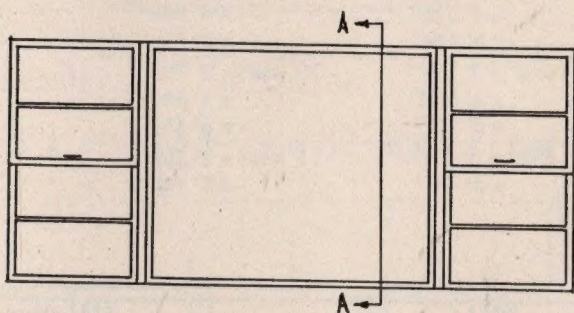
Full length screen

Full Size Details — A-200 Double Hung

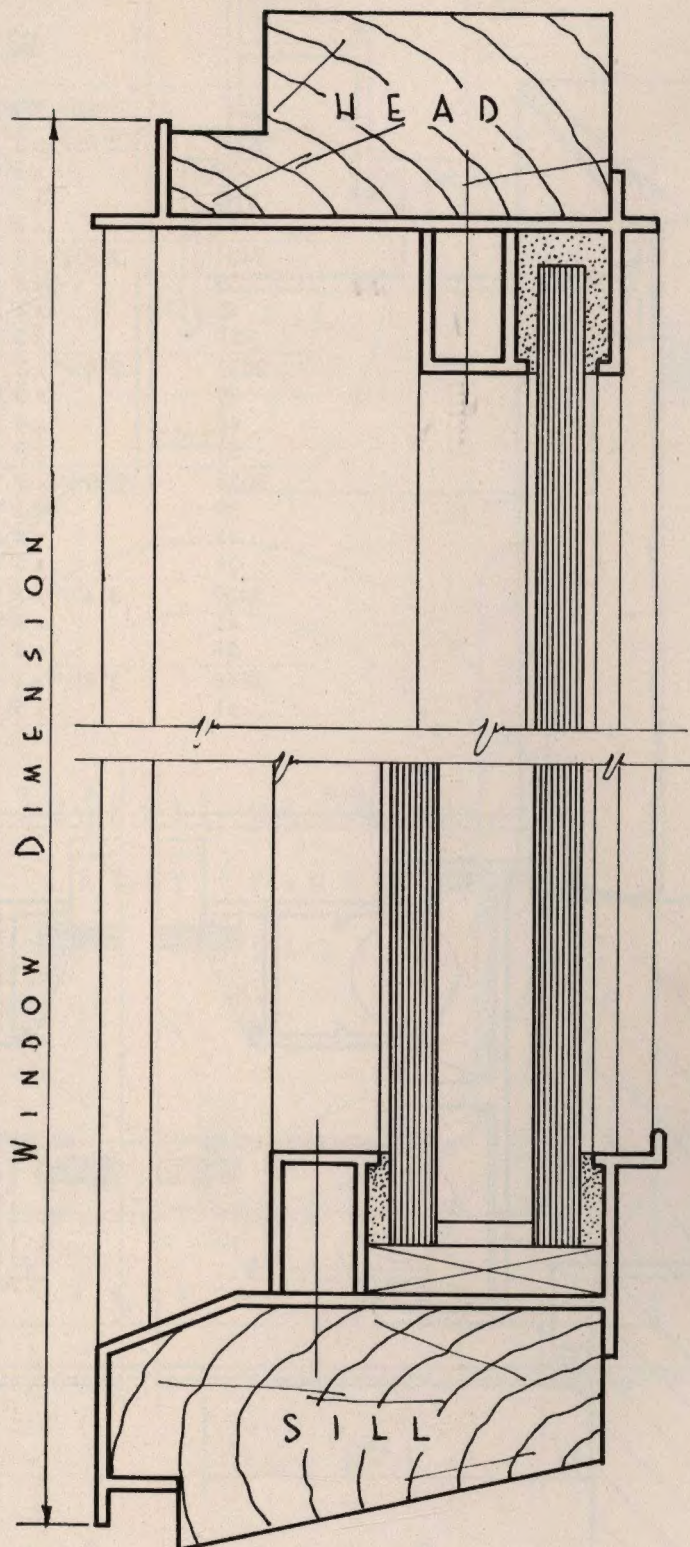
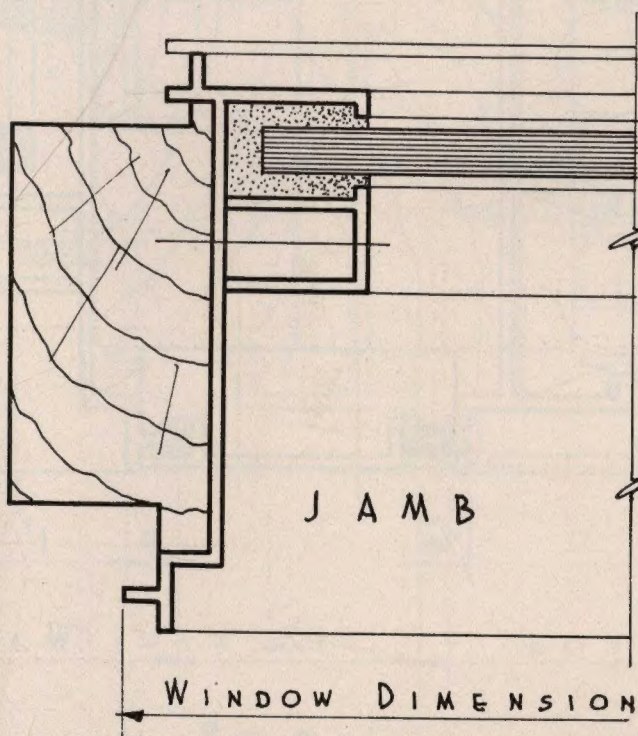


Available in 20 stock sizes, Cupples picture windows are designed for use with A-200 double hung units as "flankers", or as individual units. Of these sizes, 8 take the stock sizes available in Thermopane or Twindow. To eliminate shipping problems, picture windows are shipped in four pieces, 6 where double glazing is employed.

The aluminum extrusions are carefully finished and joined to the wood sub-frame. Glazing beads are added to the correct pieces. The builder simply slips the pieces together, applies waterproof plastic resin at the machined joints (furnished in carton), drives one sash nail into each corner and the unit is shortly ready for installation.



PICTURE WINDOW WITH FLANKERS

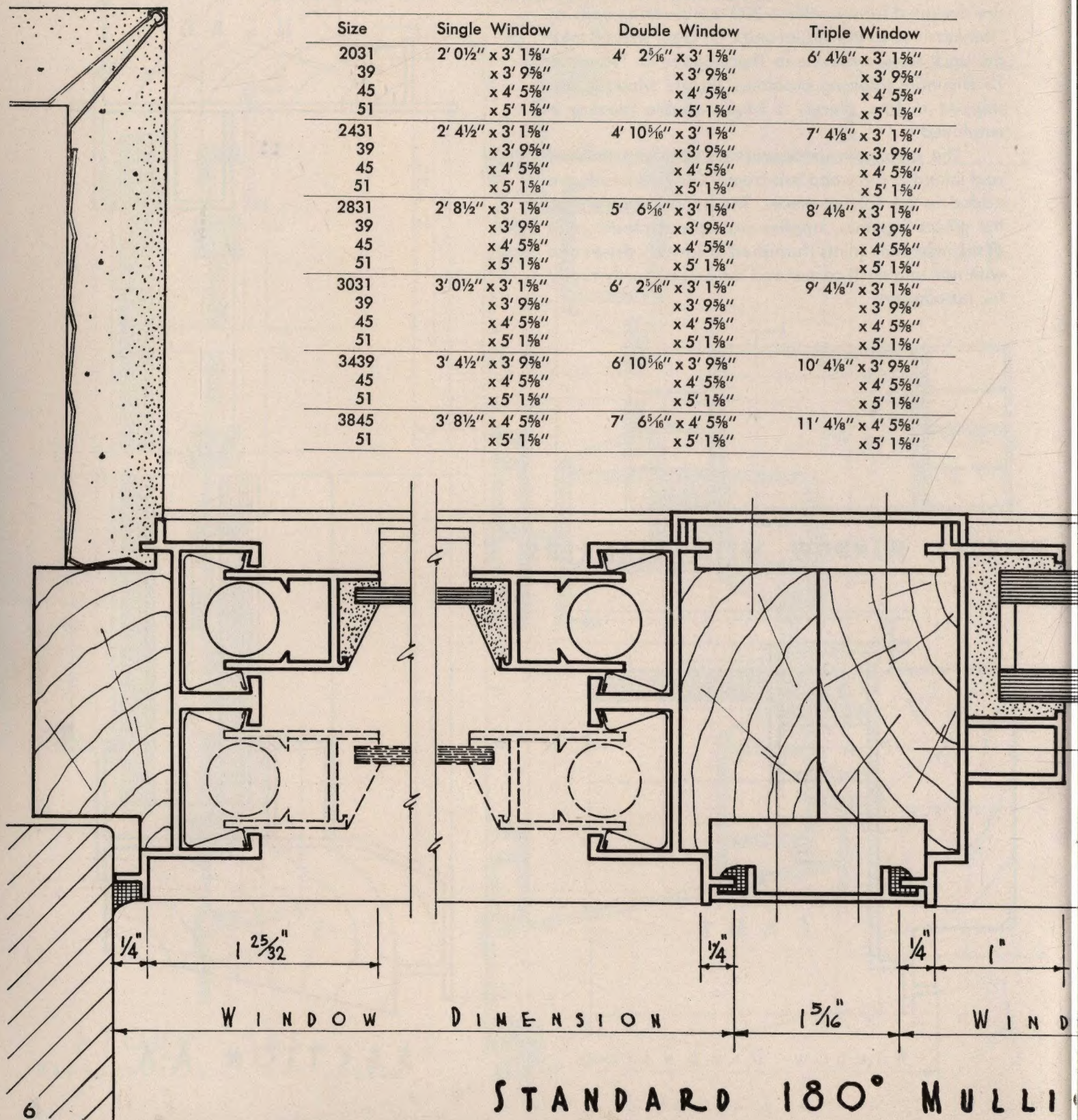


SECTION A-A

Full Size Mullion Details

Window Dimensions

Size	Single Window	Double Window	Triple Window
2031	2' 0½" x 3' 1⅝"	4' 2⅝" x 3' 1⅝"	6' 4⅞" x 3' 1⅝"
39	x 3' 9⅝"	x 3' 9⅝"	x 3' 9⅝"
45	x 4' 5⅝"	x 4' 5⅝"	x 4' 5⅝"
51	x 5' 1⅝"	x 5' 1⅝"	x 5' 1⅝"
2431	2' 4½" x 3' 1⅝"	4' 10⅝" x 3' 1⅝"	7' 4⅞" x 3' 1⅝"
39	x 3' 9⅝"	x 3' 9⅝"	x 3' 9⅝"
45	x 4' 5⅝"	x 4' 5⅝"	x 4' 5⅝"
51	x 5' 1⅝"	x 5' 1⅝"	x 5' 1⅝"
2831	2' 8½" x 3' 1⅝"	5' 6⅝" x 3' 1⅝"	8' 4⅞" x 3' 1⅝"
39	x 3' 9⅝"	x 3' 9⅝"	x 3' 9⅝"
45	x 4' 5⅝"	x 4' 5⅝"	x 4' 5⅝"
51	x 5' 1⅝"	x 5' 1⅝"	x 5' 1⅝"
3031	3' 0½" x 3' 1⅝"	6' 2⅝" x 3' 1⅝"	9' 4⅞" x 3' 1⅝"
39	x 3' 9⅝"	x 3' 9⅝"	x 3' 9⅝"
45	x 4' 5⅝"	x 4' 5⅝"	x 4' 5⅝"
51	x 5' 1⅝"	x 5' 1⅝"	x 5' 1⅝"
3439	3' 4½" x 3' 9⅝"	6' 10⅝" x 3' 9⅝"	10' 4⅞" x 3' 9⅝"
45	x 4' 5⅝"	x 4' 5⅝"	x 4' 5⅝"
51	x 5' 1⅝"	x 5' 1⅝"	x 5' 1⅝"
3845	3' 8½" x 4' 5⅝"	7' 6⅝" x 4' 5⅝"	11' 4⅞" x 4' 5⅝"
51	x 5' 1⅝"	x 5' 1⅝"	x 5' 1⅝"

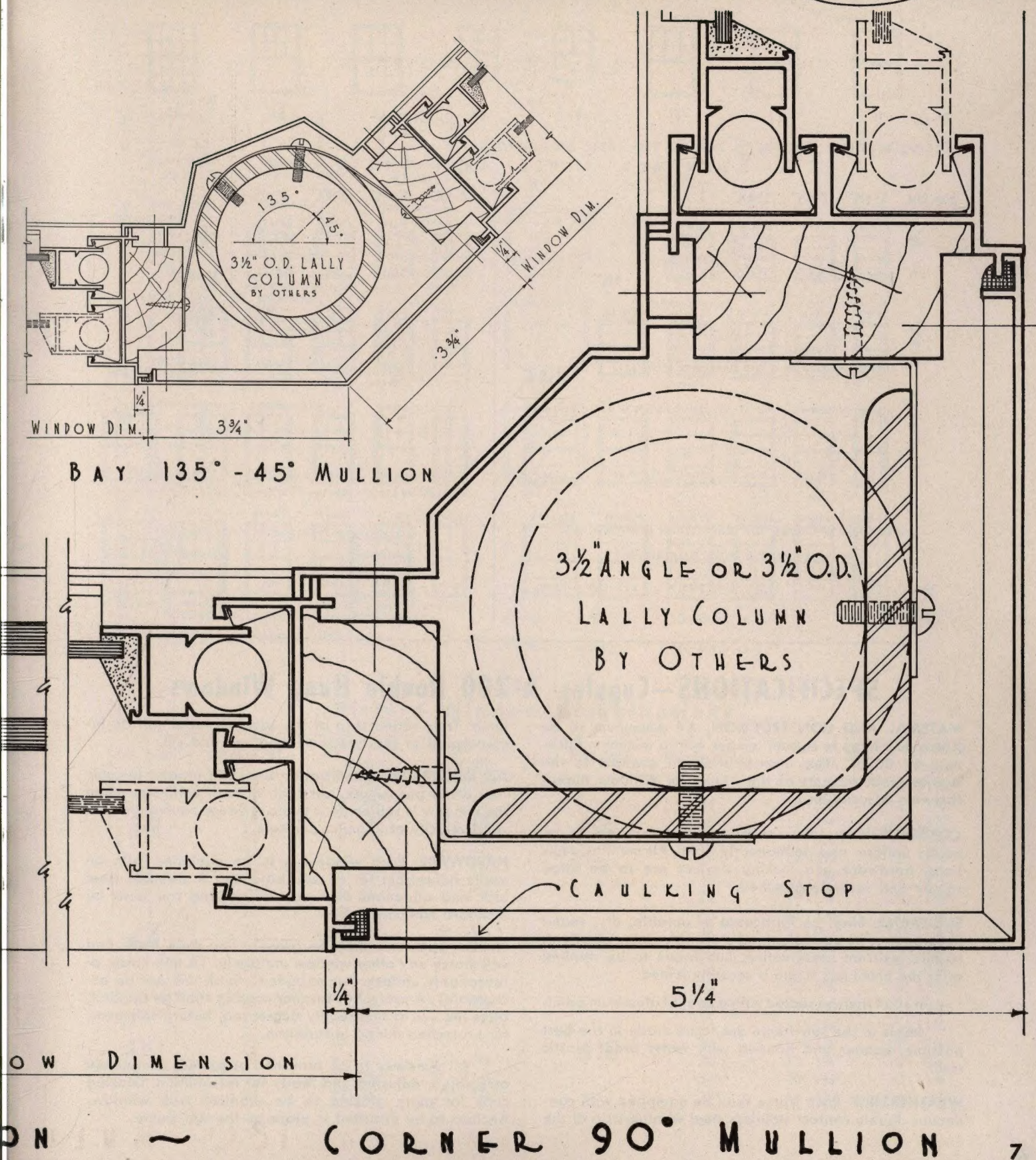


STANDARD 180° MULTI

ALUMINUM WINDOWS

A-200 Double Hung

Cupples



CUPPLES PRODUCTS CORP.

TYPE 11 22 61 41 44 66 81 88

[illegible]

STOCK SIZES

Win. Dim. 3'-6" 4'-2" 4'-10" 5'-6" 6'-2" 6'-10"

3'-1 5/8" 3'-9 3/4" 4'-5 1/2" 5'-1 5/8"

Plate glass sizes are shown in picture window panel.

40 1/2 34 3631	48 1/2 34 4231	56 1/2 34 41031	64 1/2 42 5639	72 1/2 42 6239	
40 1/2 42 3639	48 1/2 42 4239	56 1/2 42 41039			
40 1/2 50 3645	48 1/2 50 4245	56 1/2 50 41045	64 1/2 50 5645	72 1/2 50 6245	80 1/2 50 61045
40 1/2 58 3651	48 1/2 58 4251	56 1/2 58 41051	64 1/2 58 5651	72 1/2 58 6251	80 1/2 58 61051

WINDOW DIMENSION

FINISH MASONRY OPENING

The following units, take the stock Twindow and Thermopane sizes indicated —

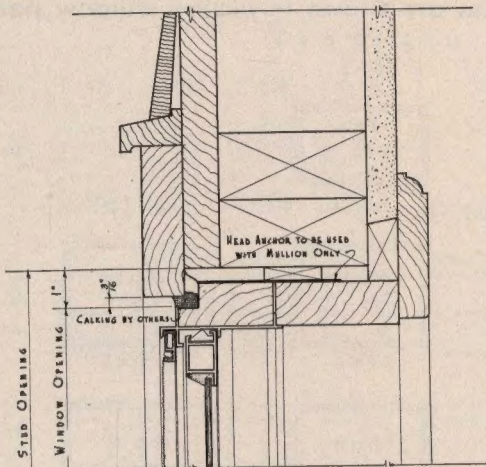
- *1—48 1/2" x 50"
- *2—56 1/2" x 50"
- *3—64 1/2" x 50"
- *4—72 1/2" x 50"
- *5—80 1/2" x 50"
- *6—64 1/2" x 58"
- *7—72 1/2" x 58"
- *8—80 1/2" x 58"

Picture Window Combinations

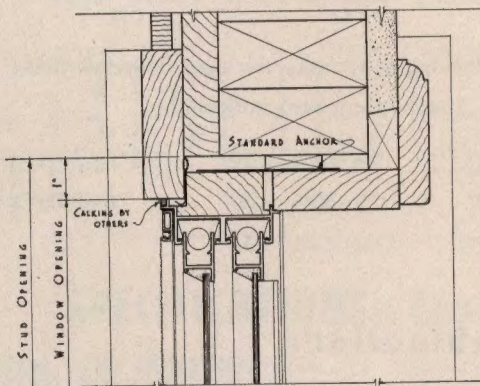
PW Size	Flanker Size	Finish M.O. Width	Rough M.O. Width	PW Size	Flanker Size	Finish M.O. Width	Rough M.O. Width
36	20	7'-9 5/8"	7'-11 1/8"	56	20	9'-9 5/8"	9'-11 1/8"
	24	8'-5 5/8"	8'-7 7/8"		24	10'-5 5/8"	10'-7 7/8"
	28	9'-1 5/8"	9'-3 3/8"		28	11'-1 5/8"	11'-3 3/8"
	30	9'-9 5/8"	9'-11 1/8"		30	11'-9 5/8"	11'-11 1/8"
	34	10'-5 5/8"	10'-7 7/8"		34	12'-5 5/8"	12'-7 7/8"
42	38	11'-1 5/8"	11'-3 3/8"		38	13'-1 5/8"	13'-3 3/8"
	20	8'-5 5/8"	8'-7 7/8"	62	20	10'-5 5/8"	10'-7 7/8"
	24	9'-1 5/8"	9'-3 3/8"		24	11'-1 5/8"	11'-3 3/8"
	28	9'-9 5/8"	9'-11 1/8"		28	11'-9 5/8"	11'-11 1/8"
	30	10'-5 5/8"	10'-7 7/8"		30	12'-5 5/8"	12'-7 7/8"
	34	11'-1 5/8"	11'-3 3/8"		34	13'-1 5/8"	13'-3 3/8"
410	38	11'-9 5/8"	11'-11 1/8"		38	13'-9 5/8"	13'-11 1/8"
	20	9'-1 5/8"	9'-3 3/8"	610	20	11'-1 5/8"	11'-3 3/8"
	24	9'-9 5/8"	9'-11 1/8"		24	11'-9 5/8"	11'-11 1/8"
	28	10'-5 5/8"	10'-7 7/8"		28	12'-5 5/8"	12'-7 7/8"
	30	11'-1 5/8"	11'-3 3/8"		30	13'-1 5/8"	13'-3 3/8"
	34	11'-9 5/8"	11'-11 1/8"		34	13'-9 5/8"	13'-11 1/8"
	38	12'-5 5/8"	12'-7 7/8"		38	14'-5 5/8"	14'-7 7/8"

Installation Details

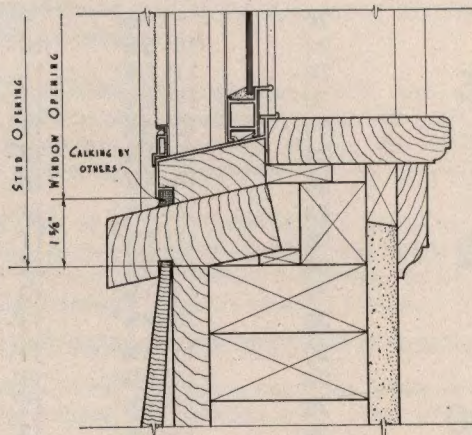
FRAME CONSTRUCTION



H E A D

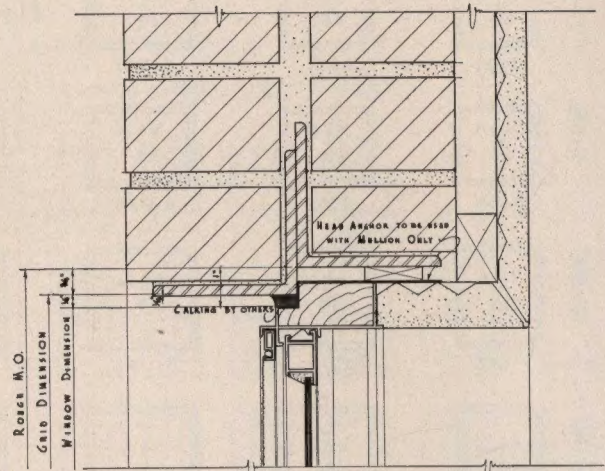


J A M B

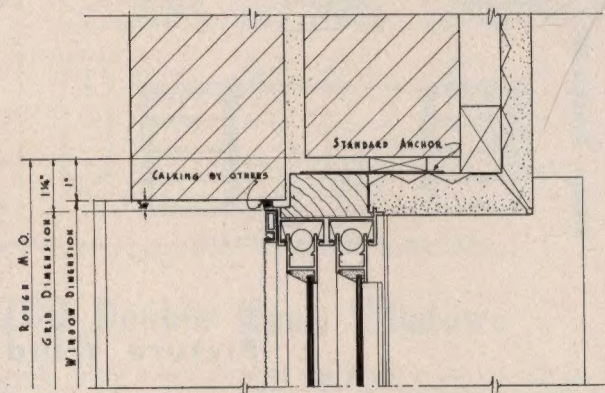


S I L L

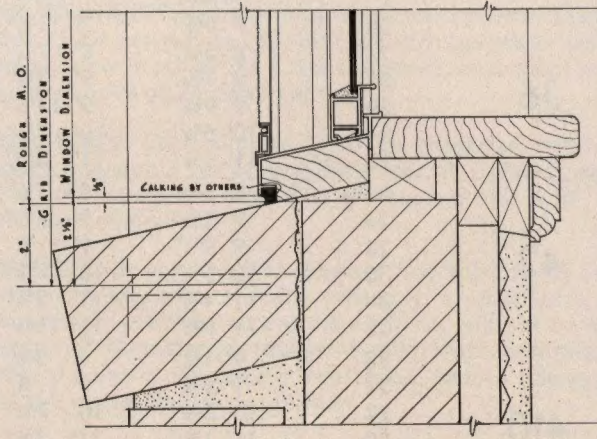
MASONRY CONSTRUCTION



H E A D

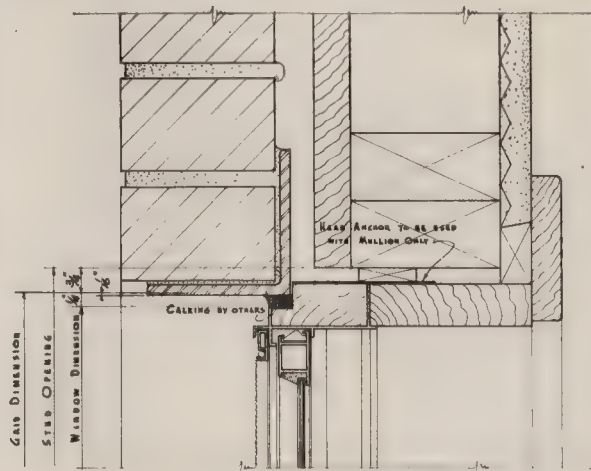


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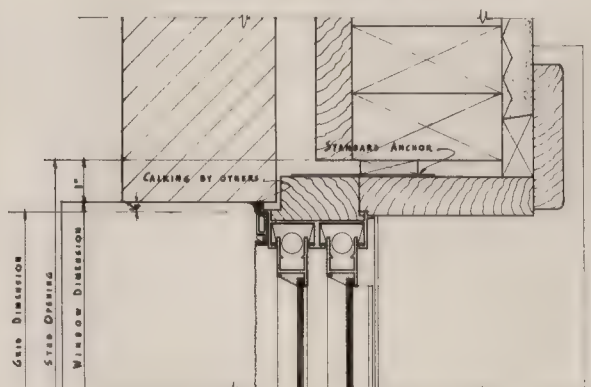


S I L L

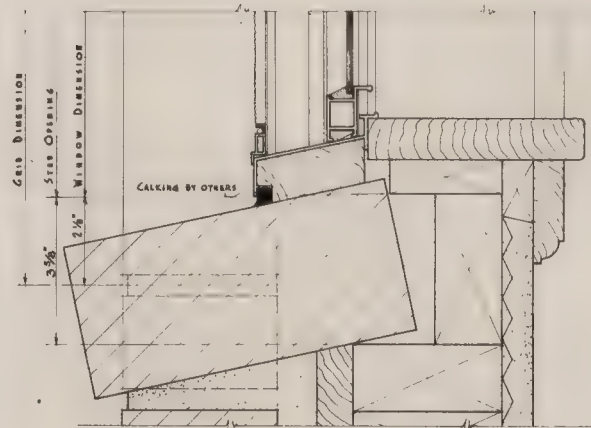
BRICK VENEER CONSTRUCTION



H E A D

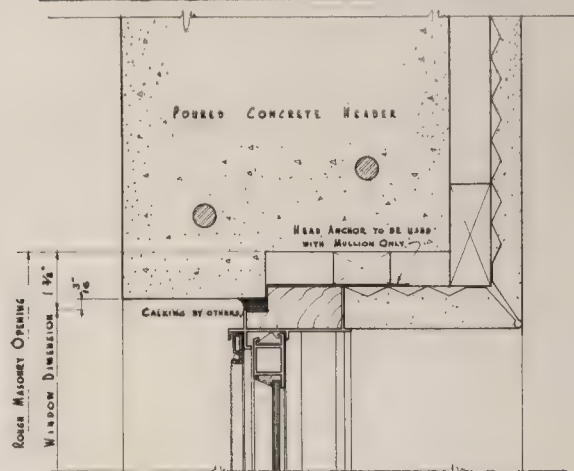


J A M B

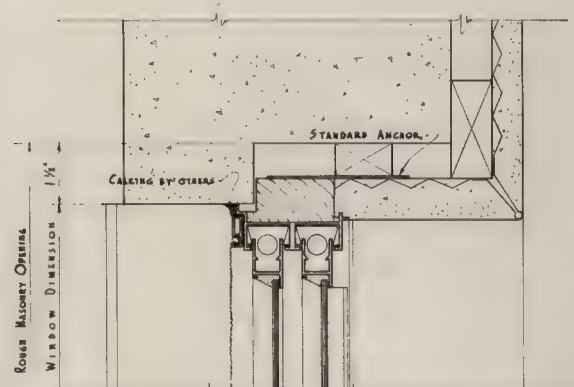


S I L L

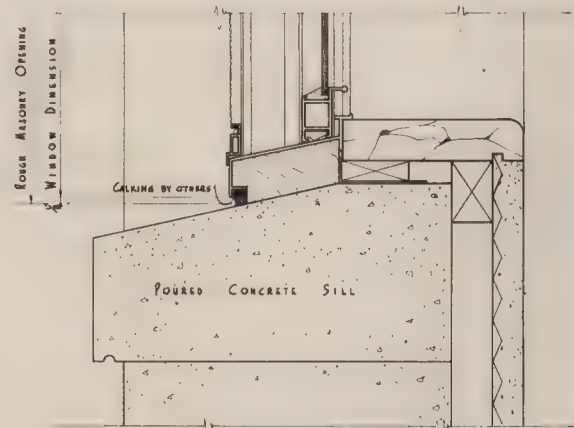
CONCRETE BLOCK



H E A D



J A M B



S I L L

Cupples Aluminum Windows used in today's modern construction



Typical installations—completed and under construction—showing Cupples windows in an individual residence, a development project, and a multiple housing group.

	<p>SPECIFICATION DH-A1 An equivalent of this window has been examined by PITTSBURGH TESTING LABORATORY; conforms in Materials, Construction, Strength of Sections and Air Infiltration requirements to ALUMINUM WINDOW MANUFACTURERS ASSOCIATION Specification DH-A1</p> <p>QUALITY</p> <p>MEMBER, ALUMINUM WINDOW MANUFACTURERS ASSOCIATION</p> <p><small>COPYRIGHT 1946 BY THE ALUMINUM WINDOW MANUFACTURERS ASSOCIATION</small></p>	<p>SPECIFICATION DH-A1</p> <p>SEAL</p>
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Our modern manufacturing plant was designed specifically for mass production of high quality, low cost, residential aluminum windows. Equipped with the most effective machinery available, it is now in full production. The double hung units, picture windows, screens and storm sash are all rolling off the assembly lines, ready for distribution. All are handled through major building material supply outlets.

CUPPLES PRODUCTS CORP.

2650 SOUTH HANLEY ROAD
MAPLEWOOD • ST. LOUIS 17, MO.

ALUMINUM WINDOWS OF ALCOA ALUMINUM



CUPPLES PRODUCTS CORP.

2650 SOUTH HANLEY ROAD • MAPLEWOOD, ST. LOUIS 17, MO.

Cupples

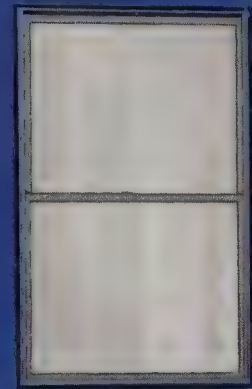
A-100 Double Hung Windows



Type 66



Twin Type 22 with 180° mullion



Type 11

The Cupples A-100 Double-hung and Picture windows, manufactured in stock sizes with several glass (muntin) arrangements, are good news to all prospective home owners, architects, and builders. They embody all of the usual features in today's better residential aluminum windows, plus a concealed, Built-in Integral Sub-frame.

These modern windows, designed by men possessing years of aluminum "know-how" and window manufacturing experience, are fabricated from the finest Alcoa precision aluminum alloy extrusions. They are produced on special machinery in a completely new, modern plant, built specifically for mass window production, assuring a fine window at a reasonable price.

Cupples Products Corporation, a new subsidiary of Cupples Company, a large company with nearly one hundred years of financially stable manufacturing and merchandising experience, is truly proud to make its A-100 models available to builders.

Cupples Products' engineers, calling on their long experience in the aluminum window industry, have incorporated in the design of the A-100 units many fundamental improvements. The sturdy Built-in Sub-frame means installation problems are over for the builder. Normal erection time is cut

considerably—the rugged frame eliminates racking and distortion, assuring an easy, smooth operating window.

The Sub-frame also acts as a weather bar and is completely concealed at all times. Fabricated from thoroughly dry, durable Redwood or Western Red Cedar, it is treated with both water repellent and termite resistant preservatives and sealed with aluminum paint. This basic Sub-frame will endure through the years.

This new, attractive Cupples window is finished on automatic brushing equipment, assuring a true satin, gloss finish. All units are beautifully matched and uniform. Special coatings and protective devices are then applied to safeguard this texture during shipment and erection.

Units are shipped in sturdy cartons, unglazed, completely assembled and ready to install. All hardware and anchors are attached, thus simplifying erection.

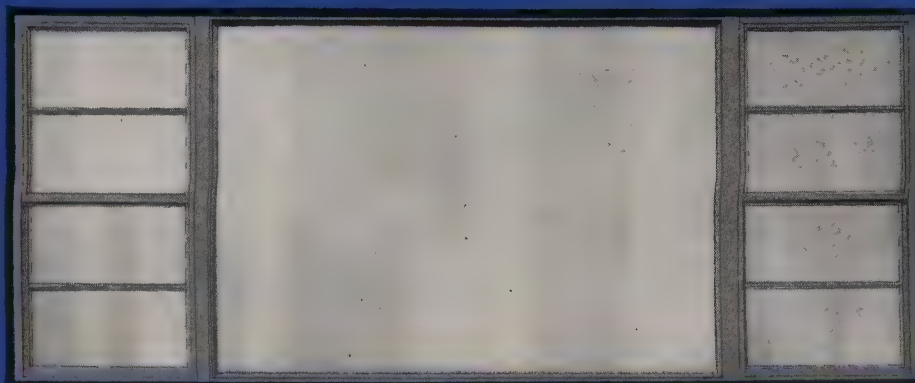
The double-hung units are available in eleven conventional stock sizes with 4 different glass (muntin) arrangements. Multiple units are formed in either straight runs or at angles with one of three standard mullions.

These windows are available through your regular building material dealer.

ALUMINUM WINDOWS

Cupples

Picture Windows



Picture Window with Type 22 "flankers"

Available in twelve stock sizes, the Cupples Picture Windows are designed for use alone or with A-100 Double-hung units in various glass (muntin) arrangements as "flankers". These units take either single glass, or double glazing of the Twin-dow or Thermopane types.

In the past it has been difficult to manufacture economical Picture Windows in aluminum because of their large size and the inherent costly shipping problems. However, the Cupples Products' unit eliminates these handicaps. The Built-in Sub-frame furnishes the needed rigidity for large sizes and supplies the necessary base for substantial anchorage. They are

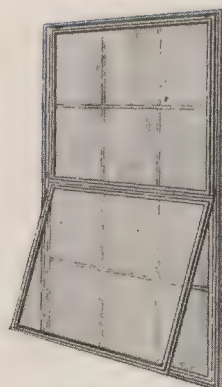
shipped knocked-down in a compact carton, eliminating costly and hazardous shipping difficulties.

The windows are shipped in 4 pieces with the aluminum extrusions carefully finished and joined to the wood sub-frame. Glazing beads are attached to the correct piece. A unique, tight slip joint has been machined accurately in the sub-frame piece, designed so that the unit is automatically lined up. The builder simply slips the pieces together, applies waterproof plastic resin at the joints (furnished in the carton), drives one sash nail into each corner and the unit is shortly ready for installation.

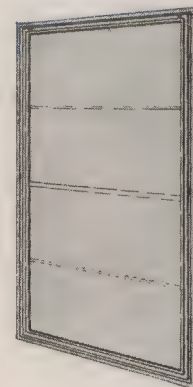
SCREENS AND STORM SASH

Combination aluminum screens and storm sash, easily removable from inside, are furnished to fit all A-100 Double-hung windows. Each is drilled and machined on the same master shop fixture as the window, assuring a consistently easy, snug fit. All windows are equipped with the necessary hardware for applying screens or storm sash.

Screens are wired with modern plastic or aluminum screen cloth. Storm sash comes ready glazed with double strength glass. Screens are furnished in half or full length, or as a 3 piece combination in conjunction with the storm sash.



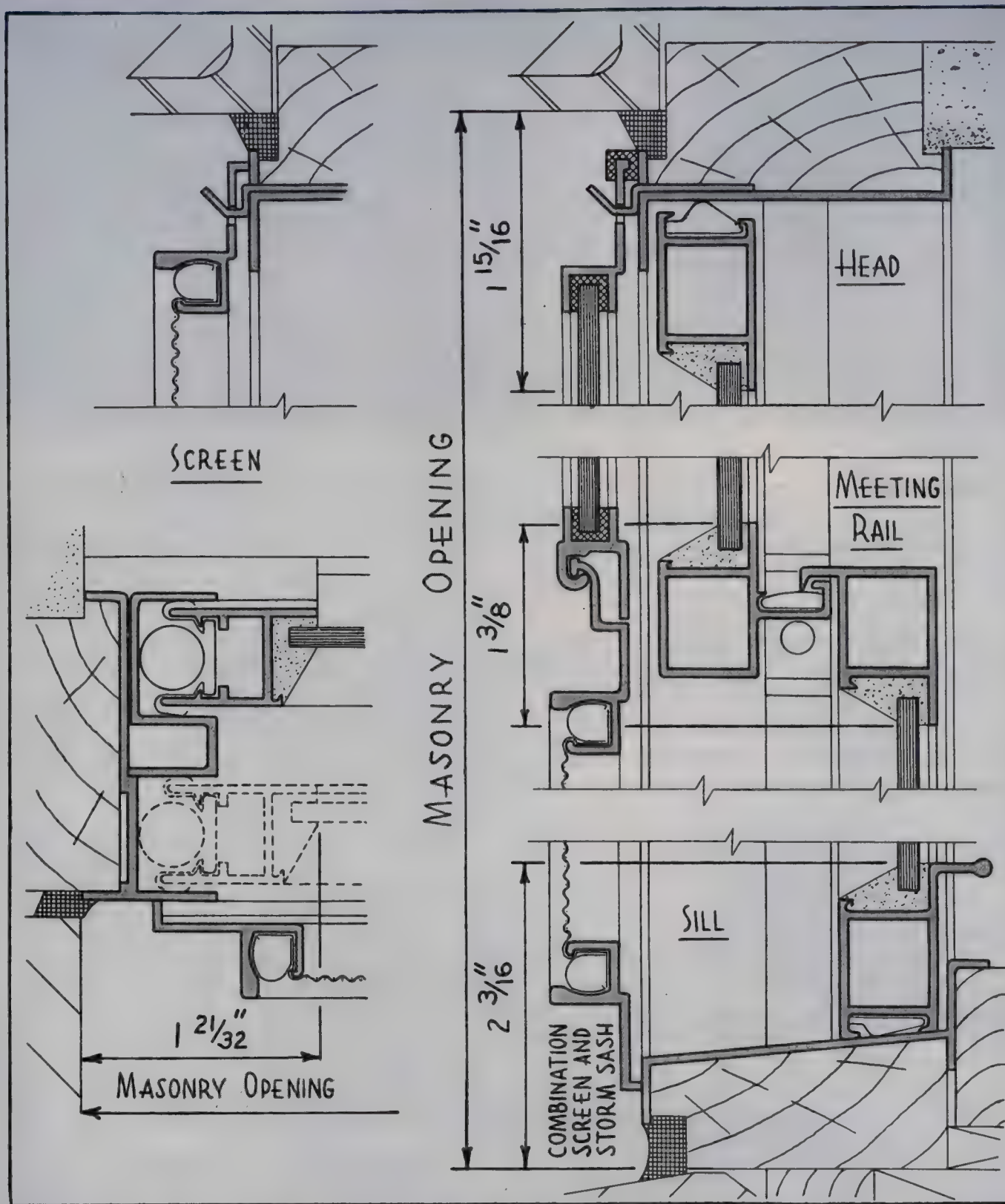
Combination storm sash and screen



Full length screen

CUPPLES PRODUCTS CORP.

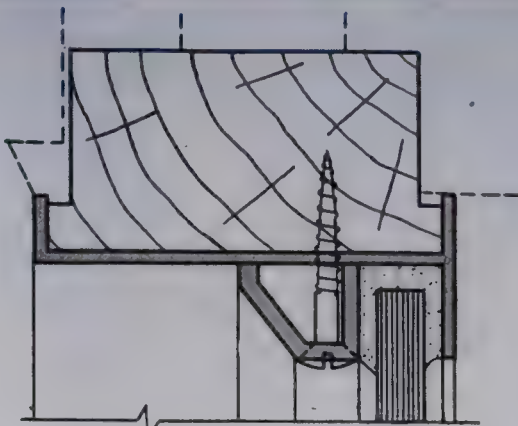
Full Size Details—A-100 Double Hung



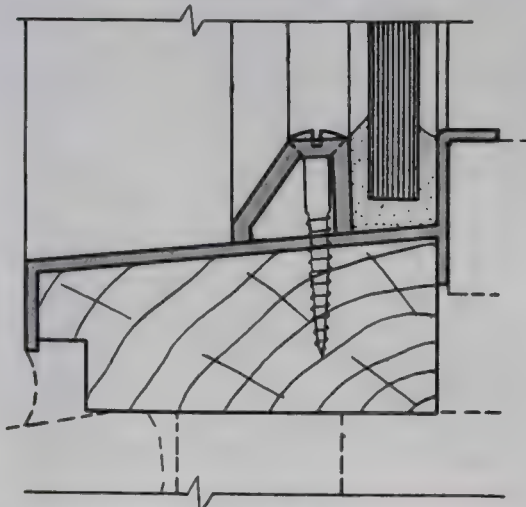
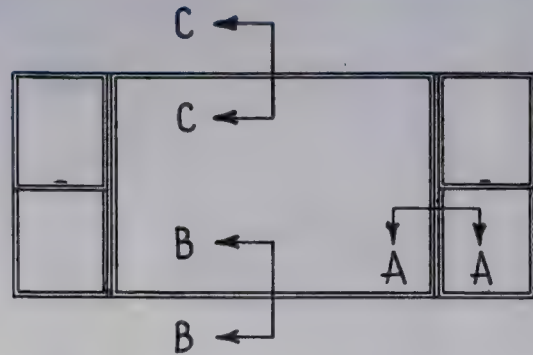
ALUMINUM WINDOWS

Picture Windows

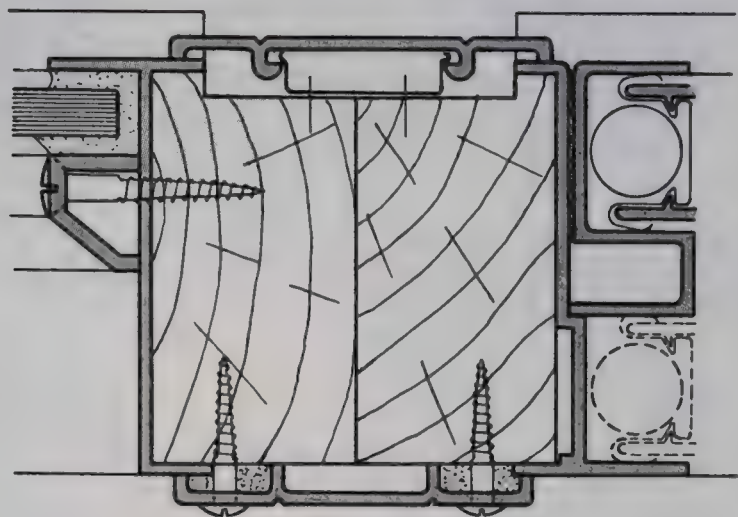
Cupples



SECTION C-C



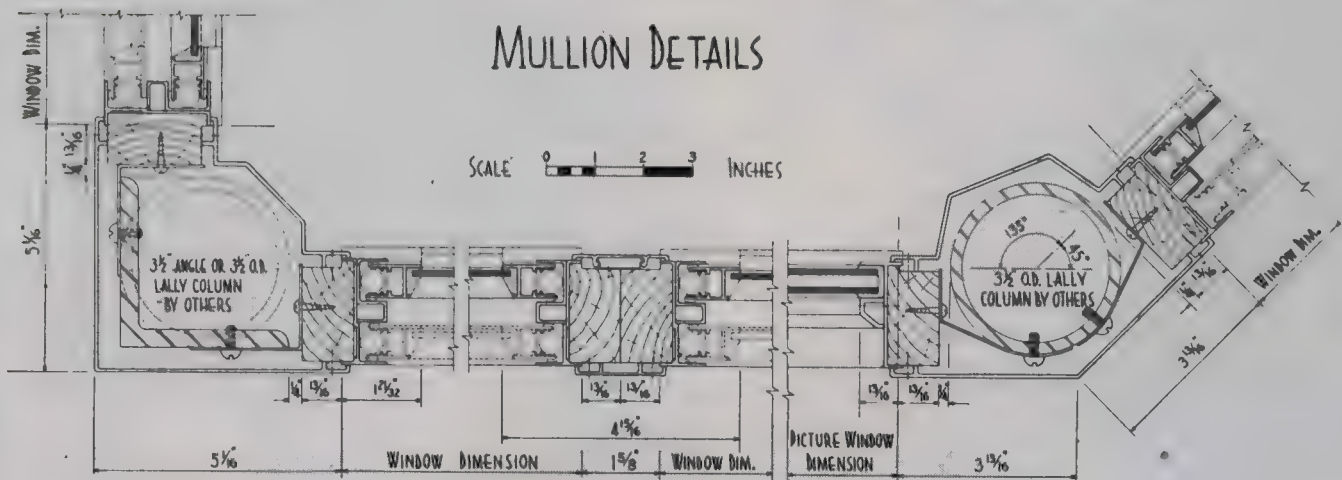
SECTION B-B



SECTION A-A

MULLION DETAILS

SCALE 0 1 2 3 INCHES



CORNER 90° MULLION

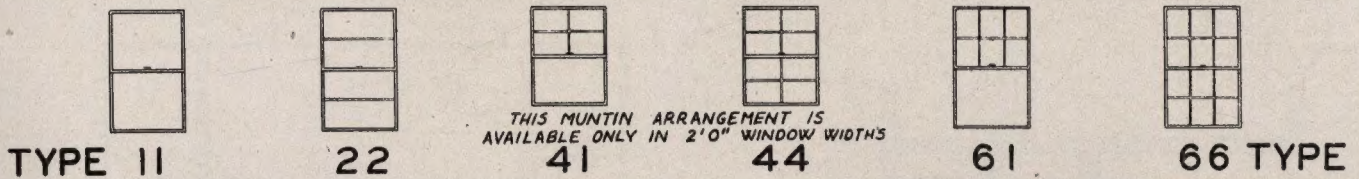
STANDARD 180° MULLION

BAY 135°-45° MULLION

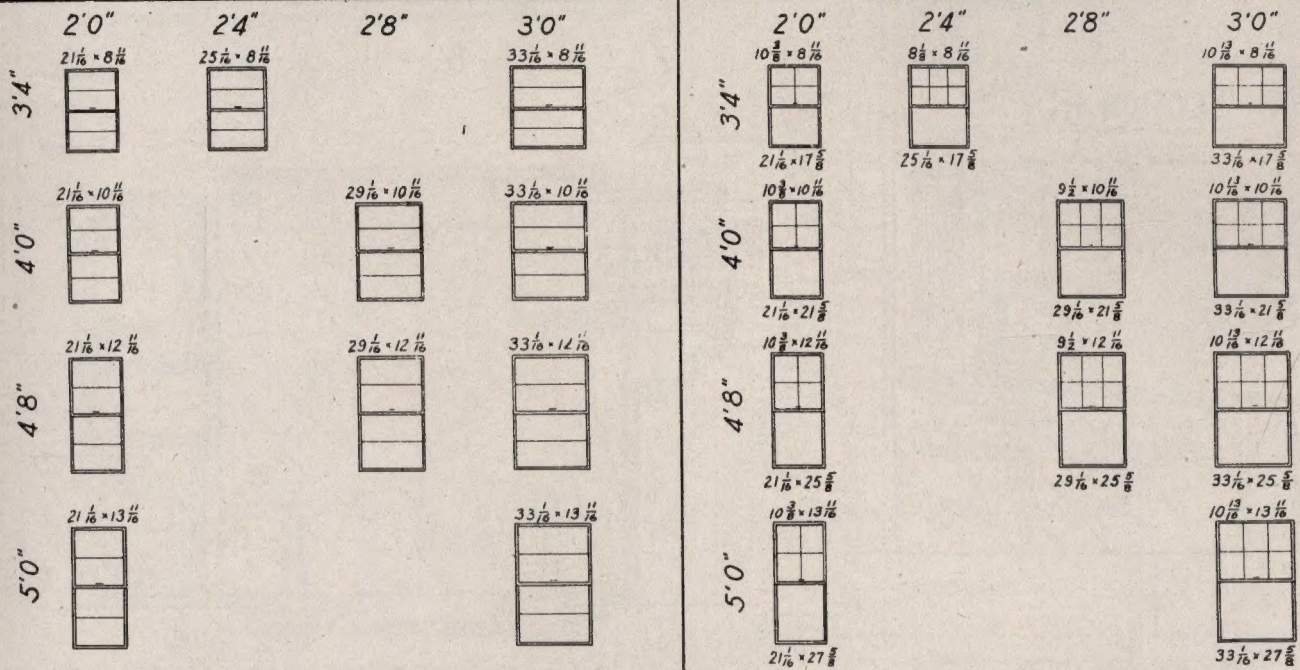
CUPPLES PRODUCTS CORP.

Standard Window Types

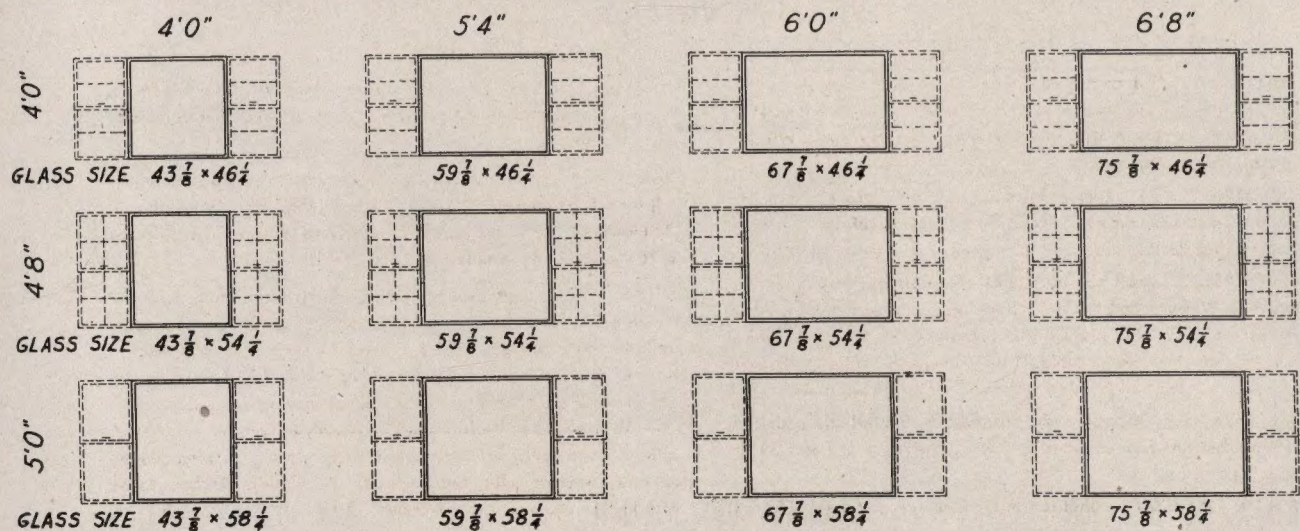
CUPPLES A-100 STANDARD WINDOW TYPES



GLASS SIZES FOR STANDARD WINDOWS



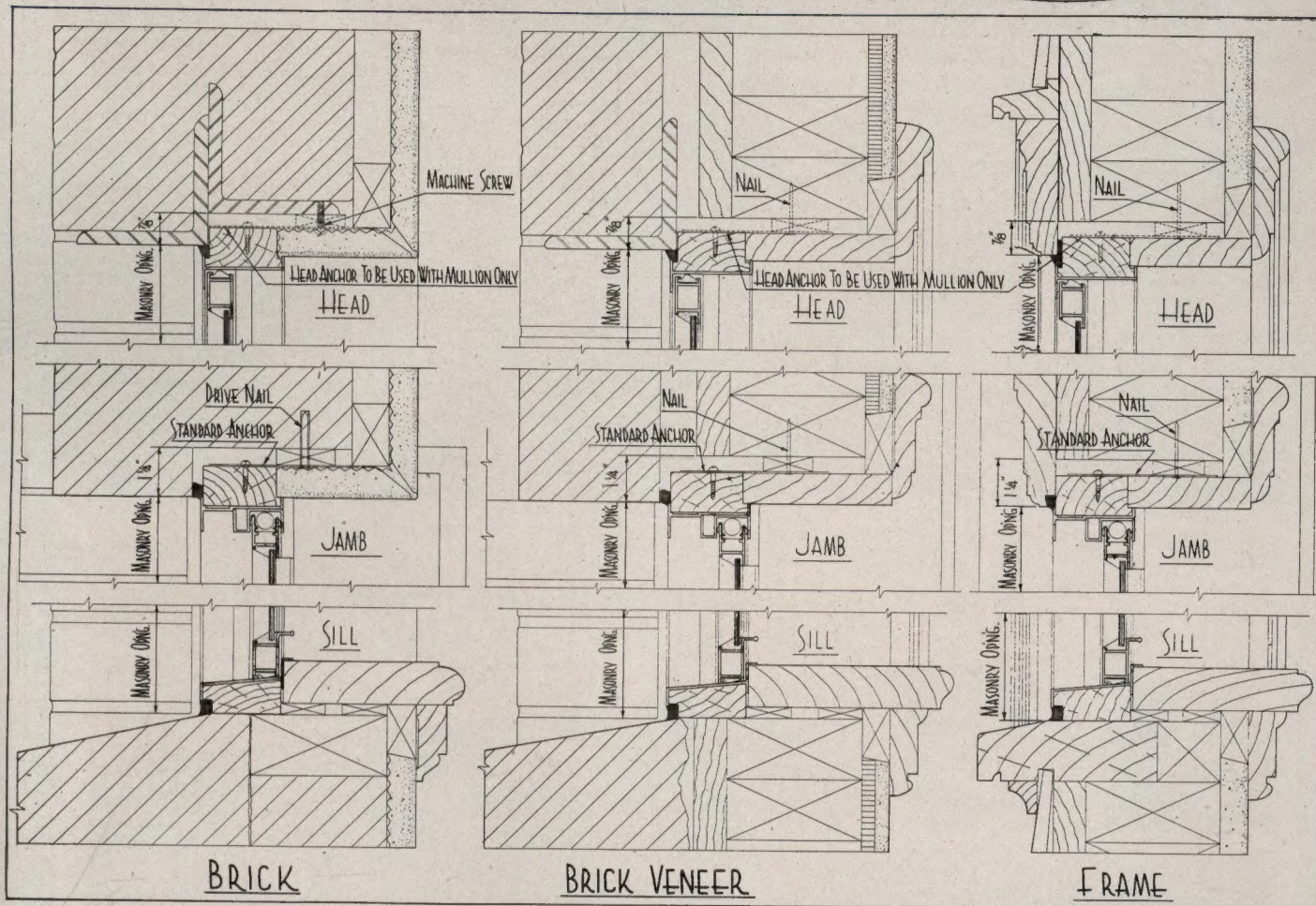
STANDARD PICTURE WINDOWS



ALUMINUM WINDOWS

Installation Details

Cupples



SPECIFICATIONS

Cupples A-100 Double Hung Windows

MATERIALS ... All aluminum to be Alcoa 63S alloy in correct temper with a minimum thickness of .0625". The sections shall all conform to the strength requirements of the Aluminum Window Manufacturers Association.

CONSTRUCTION ... Joints of frames and sash are to be neatly uniform and permanently tight. All muntins, mullions, hardware and locking devices are to be fitted snugly and securely attached.

SUB-FRAME ... Shall be fabricated of durable, dry, sound Red-wood or Western Red Cedar, treated with a water repellent and termite resistant preservative. The sub-frame shall then be sealed with a coat of aluminum paint. Joints are to be made in the best possible manner and bonded with waterproof plastic resin.

WEATHERSTRIP ... Each sash shall be equipped with double riding-edge non-ferrous metal spring weatherstrip at head, jamb, meeting rail and sill.

AIR INFILTRATION ... Infiltration shall not exceed one cubic foot

of air per minute, per foot of sash perimeter when the window is subject to a static pressure equivalent to a wind velocity of 25 miles per hour.

HARDWARE ... Each window is to be equipped with an easily adjustable set of sash balances housed in an aluminum tube. A stainless steel lock and adequate dust stop at meeting-rail jambs is to be standard equipment.

FINISH ... Each unit shall be given a fine satin finish and will match any other window uniformly. (A mill finish, or reasonably uniform "as extruded" finish will not be acceptable). A protective lacquer coating shall be applied, after the unit is thoroughly degreased, before shipment, for protection during installation.

All windows to be furnished unglazed, completely assembled, adjusted and ready for installation. Putty glazing to be employed and the necessary clips supplied with the window. Anchors to be attached in place on the sub-frame.

CUPPLES PRODUCTS CORP.

Distinctive Features of Cupples Windows

BUILT-IN INTEGRAL SUB-FRAMES—Always concealed, these rugged, durable, sub-frames assure the builder of a simple, consistently fast installation job. To the home owner, they mean a window "in square" and an added weather stop back of the frame or masonry.

LIFETIME EASE OF OPERATION—Unique, easily adjustable sash balances, housed in aluminum tubes, eliminate possibilities of corrosion and assure permanently effortless operation in a truly set frame.

BUILT-IN WEATHERSTRIP—All windows are equipped at jamb with double riding-edge non-ferrous metal spring weatherstrip. A similar design is employed at head, meeting rails, and sill, always effectively stopping air or water infiltration.

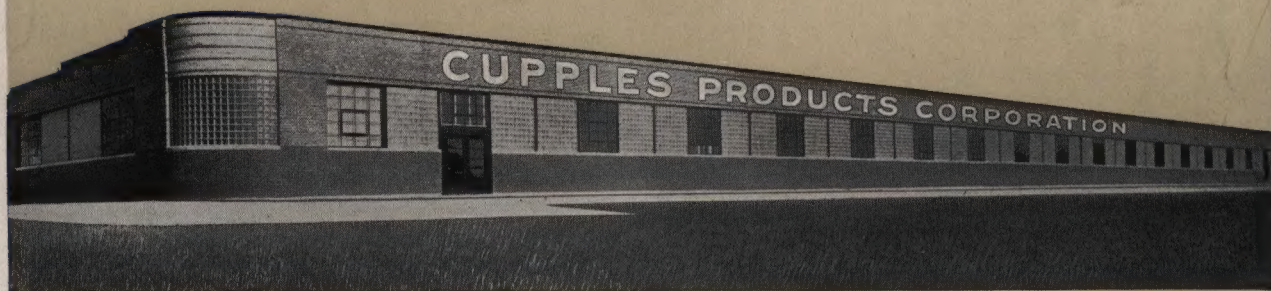
SATIN FINISH—All Cupples' units have a beautiful, distinctive finish which blends harmoniously with any interior decorations.

PAINTING ELIMINATED—These aluminum windows never require painting—eliminate costly upkeep.

GRACEFUL TRIM SIGHT LINES—Extruded aluminum shapes mean clean, narrow sight lines, pleasing from either inside or out, and allow a maximum of light area.

PICTURE WINDOW COMBINATIONS—Cupples is the first to offer a practical, economical solution for this type of construction. The twelve standard sizes used alone, or in conjunction with any of the eleven stock double-hung units in various muntin and mullion combinations, allow the architect unlimited design possibilities.

OUR MODERN MANUFACTURING PLANT



This new, modern manufacturing plant was designed specifically for mass production of high quality, low cost, residential aluminum windows. Equipped with the most effective machinery available, it is now in full production. The double hung units, picture windows, screens and storm sash are all rolling off the assembly lines, ready for distribution. All are handled through major building material supply outlets.

CUPPLES PRODUCTS CORP.

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